



October 31, 2018

Ohio EPA DAPC, Southeast District Office  
2195 Front Street  
Logan, Ohio 43138  
FedEx Tracking Number: 8130 3339 6502

RE: Annual Compliance Report 40 CFR 60 Subpart OOOOa: August 2, 2017 – August 2, 2018  
Annual Compliance Report 40 CFR 60 Subpart OOOO: October 15, 2017 – August 2, 2018

Dear Sirs:

CNX Resources (CNXR) hereby submits the annual compliance report for affected facilities subject to New Source Performance Standards (NSPS) 40 CFR 60 Subparts NSPS OOOO and OOOOa.

As specified in 40 CFR 60.5410a, the initial compliance period for a NSPS OOOOa affected facility begins on August 2, 2016, or upon initial startup (whichever is later). Similarly, the initial compliance period ends no later than 1 year after the initial startup date of the affected facility or no later than 1 year after August 2, 2016. In accordance with §60.5420a(b), the annual report is due 90 days after the end of the compliance period (i.e., October 31, 2018). This annual report covers the compliance period from August 2, 2018 through August 2, 2018.

In order to streamline reporting, CNX is submitting NSPS OOOO for the time period October 15, 2017 to August 2, 2018 as a "short-report". This will align the compliance periods for any future reports with facilities subject to NSPS OOOOa. Future compliance reports for CNX's affected facilities under both subparts (as applicable) will be submitted in a consolidated report by October 31st of each year, and will cover the prior year's reporting period (August 2 – August 2).

Should you have any questions regarding this report, please contact me by phone at (724) 485-3156 or by email at PatrickFlynn@cnx.com.

Sincerely,

Patrick Flynn  
CNX | Air Quality Program Manager

Attachments

cc: US EPA Region V, Air Protection Division  
Ralph Metcalfe Federal Building  
77 West Jackson Boulevard  
Chicago, IL 06064-3511  
Via email: R5AirEnforcement@epa.gov

## ATTACHMENT - CERTIFICATION

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# NSPS 0000a Annual Report

Pursuant to 40 CFR §60.5420a(b)

## Company Information

§60.5420a(b)(1)

Company Name: **CNX Resources**

Company Mailing Address:	<b>1000 CONSOL Energy Drive</b>	<b>Canonsburg</b>	<b>PA</b>	<b>15317</b>
	Street Address	City	State	Zip Code

For information regarding this report please contact the following:

Contact Name: **Patrick Flynn**

Contact Phone Number: **724-485-3156**

Contact Email Address: **PatrickFlynn@cnx.com**

## Reporting Period

Compliance Period Start Date:	<b>August 3, 2017</b>
Compliance Period End Date:	<b>August 2, 2018</b>
Date Report Submitted by:	<b>October 31, 2018</b>

## Certification By a Certifying Official


**Statement of Certification:** Based on information and belief formed after reasonable inquiry, the statements and information in this document are true, accurate and complete.

Name of Certifying Official: **Craig Neal**

Title of Certifying Official: **Vice President Operations**

Email Address: **CraigNeal@cnx.com**

Phone Number: **724-485-4000**

  
Signature:

Signature Date:

# NSPS 0000 Annual Report

Pursuant to 40 CFR §60.5420(b)

## Company Information

§60.5420(b)(1)

Company Name: CNX Resources

Company Mailing Address:	<u>1000 CONSOL Energy Drive</u>	<u>Canonsburg</u>	<u>PA</u>	<u>15317</u>
	Street Address	City	State	Zip Code

For information regarding this report please contact the following:

Contact Name: Patrick Flynn

Contact Phone Number: 724-485-3156

Contact Email Address: PatrickFlynn@cnx.com

## Reporting Period

Compliance Period Start Date: October 15, 2017

Compliance Period End Date: August 2, 2018

Date Report Submitted by: October 31, 2018

## Certification By a Certifying Official

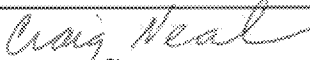
**Statement of Certification:** Based on information and belief formed after reasonable inquiry, the statements and information in this document are true, accurate and complete.

Name of Certifying Official: Craig Neal

Title of Certifying Official: Vice President Operations

Email Address: CraigNeal@cnx.com

Phone Number: 724-485-4000

  
Signature:

Signature Date:

## ATTACHMENT - LIST OF AFFECTED FACILITIES

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**List of Affected Facilities  
§60.5420(b) and §60.5420a(b)**

API Number	Facility / Well Name	Well / Equipment Name	Legal Entity	Latitude	Longitude	State Number	State	County Number	County	Region	Affected Facility Type(s) (Place an "X" in every column that applies)				
											Well	Reciprocating Compressor	Pneumatic Controller	Collection of Fugitive Emission Components at a Well Site	Collection of Fugitive Emission Components at a Compressor Station
	NBL 36	NBL 36	CNX Resources				Ohio			VADEQ SWRO				X	
	NBL 39	NBL 39	CNX Resources				Ohio			VADEQ SWRO				X	
	Switz 5	Switz5	CNX Resources			34	Ohio			VADEQ SWRO				X	
	Switz 16	Switz16	CNX Resources			34	Ohio			VADEQ SWRO				X	
	Switz6	Switz6	CNX Resources	39.828806	-80.916622	34	Ohio	111	Monroe	OEPA SEDO		X		X	
34-111-24673	SWITZ28HHSU	SWITZ28	CNX Resources	39.823241	39.823241	34	Ohio	111	Monroe	OEPA SEDO	X			X	
34-111-24674	SWITZ28BHSU	SWITZ28	CNX Resources	39.823241	39.823241	34	Ohio	111	Monroe	OEPA SEDO	X			X	
34-111-24675	SWITZ28DHSU	SWITZ28	CNX Resources	39.823241	39.823241	34	Ohio	111	Monroe	OEPA SEDO	X			X	
34-111-24721	SWITZ26AHSU	SWITZ26	CNX Resources	39.823291	39.823291	34	Ohio	111	Monroe	OEPA SEDO	X			X	
34-111-24718	SWITZ26DHSU	SWITZ26	CNX Resources	39.823291	39.823291	34	Ohio	111	Monroe	OEPA SEDO	X			X	
34-111-24719	SWITZ26CHSU	SWITZ26	CNX Resources	39.823291	39.823291	34	Ohio	111	Monroe	OEPA SEDO	X			X	
34-111-24720	SWITZ26BHSU	SWITZ26	CNX Resources	39.823291	39.823291	34	Ohio	111	Monroe	OEPA SEDO	X			X	
34-111-24684	SWITZ11PHSU	SWITZ11	CNX Resources	39.824543	39.824543	34	Ohio	111	Monroe	OEPA SEDO	X			X	
34-111-24687	SWITZ11LHSU	SWITZ11	CNX Resources	39.824543	39.824543	34	Ohio	111	Monroe	OEPA SEDO	X			X	
34-111-24685	SWITZ11NHSU	SWITZ11	CNX Resources	39.824543	39.824543	34	Ohio	111	Monroe	OEPA SEDO	X			X	
34-111-24686	SWITZ11JHSU	SWITZ11	CNX Resources	39.824543	39.824543	34	Ohio	111	Monroe	OEPA SEDO	X			X	
34-111-24762	SWITZ18FHSU	SWITZ18	CNX Resources	39.848272	39.848272	34	Ohio	111	Monroe	OEPA SEDO	X			X	
34-111-24764	SWITZ18DHSU	SWITZ18	CNX Resources	39.848272	39.848272	34	Ohio	111	Monroe	OEPA SEDO	X			X	
34-111-24763	SWITZ18BHSU	SWITZ18	CNX Resources	39.848272	39.848272	34	Ohio	111	Monroe	OEPA SEDO	X			X	
34-111-24745	SWITZ7DHSU	SWITZ7	CNX Resources	39.841471	39.841471	34	Ohio	111	Monroe	OEPA SEDO	X			X	
34-111-24747	SWITZ7FHSU	SWITZ7	CNX Resources	39.841471	39.841471	34	Ohio	111	Monroe	OEPA SEDO	X			X	
34-111-24746	SWITZ7BHSU	SWITZ7	CNX Resources	39.841471	39.841471	34	Ohio	111	Monroe	OEPA SEDO	X			X	
34-111-24672	SWITZ28FHSU	SWITZ28	CNX Resources	39.823241	39.823241	34	Ohio	111	Monroe	OEPA SEDO	X			X	

## ATTACHMENT - WELL COMPLETION RECORDS

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**Well Completion Records**  
**\$60.5420a(c)**

API Number	Facility / Well Name	Well / Equipment Name	Legal Entity	Latitude	Longitude	Date and Time of Onset of Flowback Following Hydraulic Fracturing	Date and Time of Each Attempt to Direct Flowback to a Separator	Date and Time of Each Occurrence of Returning to the Initial Flowback Stage	Date and Time for the Startup of Production	Duration of Flowback in Hours	Duration of Recovery in Hours (Not required for delineation, wild cat, or low-pressure gas wells)	Disposition of Recovery (Not required for delineation, wild cat, or low-pressure gas wells)	Duration of Combustion in Hours	Duration of Venting in Hours	Reason for Venting in lieu of Capture or Combustion
34-111-24673	SWITZ28BHSU	SWITZ28	CNX Resources	39.823241	-80.942416	9/17/2017 23:00	9/18/2017 15:00	---	2/26/2018 10:00	3,753.0	3,753.0	To Sales	0	0	
34-111-24674	SWITZ28BHSU	SWITZ28	CNX Resources	39.823241	-80.942416	9/18/2017 0:00	9/18/2017 1:30	---	2/26/2018 10:30	3,768.5	3,768.5	To Sales	0	0	
34-111-24675	SWITZ28DHSU	SWITZ28	CNX Resources	39.823241	-80.942416	9/18/2017 22:00	9/18/2017 23:30	---	2/28/2018 6:00	3,498.0	3,494.0	To Sales	4	0	
34-111-24721	SWITZ26AHSU	SWITZ26	CNX Resources	39.823291	-80.964327	10/28/2017 9:30	10/28/2017 11:30	---	11/19/2017 13:00	531.5	531.5	To Sales	0	0	
34-111-24718	SWITZ26DHSU	SWITZ26	CNX Resources	39.823291	-80.964327	10/26/2017 19:30	10/28/2017 15:30	---	11/20/2017 13:00	593.5	593.5	To Sales	0	0	
34-111-24719	SWITZ26GHSU	SWITZ26	CNX Resources	39.823291	-80.964327	10/26/2017 19:00	10/28/2017 13:30	---	11/17/2017 13:30	522.5	522.5	To Sales	0	0	
34-111-24720	SWITZ26BHSU	SWITZ26	CNX Resources	39.823291	-80.964327	10/26/2017 17:30	10/28/2017 9:00	---	11/20/2017 15:00	597.5	597.5	To Sales	0	0	
34-111-24684	SWITZ11PHSU	SWITZ11	CNX Resources	39.824543	-80.945068	11/19/2017 16:00	11/19/2017 16:00	11/19/2017 16:30	12/1/2017 19:00	291.0	291.0	To Sales	0	0	
34-111-24687	SWITZ11LHSU	SWITZ11	CNX Resources	39.824543	-80.945068	11/19/2017 13:00	11/19/2017 18:00	---	12/2/2017 14:30	313.5	313.5	To Sales	0	0	
34-111-24685	SWITZ11NHSU	SWITZ11	CNX Resources	39.824543	-80.945068	11/19/2017 13:00	11/19/2017 13:00	11/19/2017 13:25	12/1/2017 18:00	293.0	293.0	To Sales	0	0	
34-111-24686	SWITZ11JHSU	SWITZ11	CNX Resources	39.824543	-80.945068	11/19/2017 15:00	11/19/2017 18:00	---	12/1/2017 18:00	291.0	291.0	To Sales	0	0	
34-111-24762	SWITZ18FHSU	SWITZ18	CNX Resources	39.848272	-80.894479	1/27/2018 8:00	1/27/2018 10:00	---	2/13/2018 21:30	421.5	421.5	To Sales	0	0	
34-111-24764	SWITZ18DHSU	SWITZ18	CNX Resources	39.848272	-80.894479	1/27/2018 13:00	1/27/2018 14:00	---	2/13/2018 19:00	414.0	414.0	To Sales	0	0	
34-111-24763	SWITZ18BHSU	SWITZ18	CNX Resources	39.848272	-80.894479	1/27/2018 15:00	1/27/2018 16:30	---	2/13/2018 16:00	409.0	409.0	To Sales	0	0	
34-111-24745	SWITZ7DHSU	SWITZ7	CNX Resources	39.841471	-80.916402	1/22/2018 22:30	2/4/2018 19:00	---	2/19/2018 17:30	667.0	667.0	To Sales	0	0	
34-111-24747	SWITZ7FHSU	SWITZ7	CNX Resources	39.841471	-80.916402	2/4/2018 12:00	2/5/2018 1:00	---	2/19/2018 14:00	362.0	362.0	To Sales	0	0	
34-111-24746	SWITZ7BHSU	SWITZ7	CNX Resources	39.841471	-80.916402	2/4/2018 15:00	2/4/2018 17:30	---	2/20/2018 6:00	375.0	375.0	To Sales	0	0	
34-111-24672	SWITZ28FHSU	SWITZ28	CNX Resources	39.823241	-80.942416	9/28/2017 0:30	9/30/2017 12:30	---	3/14/2018 17:00	2,795.5	2,775.5	To Sales	20	0	



## ATTACHMENT - RECIPROCATING COMPRESSOR RECORDS

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Reciprocating Compressor Affected Facilities §60.5420(b)(4) and §60.5420a(b)(4)															
Facility Name	Equipment ID	Legal Entity	Reporting Period	Latitude	Longitude	State	County Number	County	Region	Applicable NSPS Regulation	Operations Tracking 60.5420(b)(4)(i)				Deviations to Report? (If deviations occurred put an "X". If not leave blank)
											Tracking Operations (Hours or Months)	Actual Time Reported (Hours or Months)	What is the start date?	Notes on start date	
Switz6	Flash Gas Compressor	CNX Resources	10-15-17 to 8-2-18	39.828806	-80.916622	Ohio	111	Monroe	SEDO	OOOO	Hours	16,970	1/22/2015	Date represents initial startup of the compressor. No rod packing replacement occurred during the reporting period.	No deviations

\* Reciprocating compressor affected facilities are located between the wellhead and the point of custody transfer to the natural gas transmission and storage segment. Recip. compressors located on a well site are not an affected facility (§60.5365(c) and §60.5365a(c))

\* Per OOOO (60.5420(b)(4)(i)), we used the latest date from the following: Startup of the compressor, date of the latest compressor rod packing, start of the report period 10/15/2012

ATTACHMENT - COLLECTION OF FUGITIVE EMISSION COMPONENTS AT A  
WELL SITE

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Facility Name	Legal Entity	Survey Information															Type of Instrument Used to Recover a Repaired Component (not during the initial finding) (b)(7)(c)(4)	Comments
		Date (b)(7)(c)	Beginning Time (b)(7)(c)	End Time (b)(7)(c)	Name of OGI Operator (b)(7)(iii)	Training and Experience of OGI Operator (b)(7)(iii)	Ambient Temperature, Sky Conditions and Maximum Wind Speed (b)(7)(v)	Monitoring Instrument (b)(7)(v)	Deviations (or Statement of No Deviations) (b)(7)(v)	Number and Type of Components for Which Emissions Were Detected (b)(7)(vi)	Number and Type of Components Not Repaired as Required (b)(7)(viii)	Number and Type of DTM & UTM Components Monitored (b)(7)(ix)	Date of Successful Leak Repairs (b)(7)(x)	Number and Type of Components Placed on DOR (b)(7)(xi)	Explanation for DOR (b)(7)(xi)			
NEL 36	CNX Resources	12/7/2017	3:13 PM	3:40 PM	Kevin Ice	3 years	36°F - 39°F F, Partly sunny with clouds, 5-8 mph mph	GF320 S/N 44401741	No deviations	One (1) Leak on Narrisral Liquid Level Controller on LPS (lower unit on side closes to site berm) (Tag #1)	None	Not Applicable	Repairs completed 12/8/2017 and verified on 12/12/2017	None	Not Applicable	GF320		
NEL 36	CNX Resources	6/21/2018	4:07 AM	4:31 AM	Kevin Ice	3 years	73°F F, Overcast, 0-1 mph mph	GF320 S/N 44401741	No deviations	One (1) Tank 1 weighted pallet One (1) Tank 2 weighted pallet One (1) Tank 3 weighted pallet One (1) Tank 4 weighted pallet One (1) Tank 5 weighted pallet One (1) Tank 10 weighted pallet One (1) Tank 9 weighted pallet One (1) Tank 6 weighted pallet One (1) Tank 7 weighted pallet	None	Not Applicable	Repairs completed 6/26/2018 and verified on 6/26/2018	None	Not Applicable	GF320		
NEL 39	CNX Resources	12/7/2017	5:20 PM	5:39 PM	Kevin Ice / 3 yrs experience	3 years	32°F - 33°F F, Cloudy/Overcast, 3-6 mph mph	GF320 S/N 44401741	No deviations	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable		
NEL 39	CNX Resources	6/21/2018	4:07 AM	4:31 AM	Kevin Ice / 3 yrs experience	3 years	70°F F, Overcast / Light Sprinkle, 3-4 mph mph	GF320 S/N 44401741	No deviations	One (1) Tank 5 emardo relief valve One (1) Tank 3 weighted pallet	None	Not Applicable	Repairs completed 6/26/2018 and verified on 6/26/2018	None	Not Applicable	GF320		
SWITZ-5	CNX Resources	11/1/2017	1:30 PM	1:54 PM	Kevin Ice/ 3 yrs experience	3 years	40°F-46°F F, Cloudy/Overcast, 0-1 mph mph	GF320 S/N 44401741	No deviations	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable		
SWITZ-5	CNX Resources	6/25/2018	1:13 p.m.	1:24 p.m.	Kevin Ice/3 yrs experience & Jason Harding (Camera #2) / 2 yrs experience	Kevin Ice 3 years Jason Harding 2 years	75°F F, Cloudy, 0-4 mph mph	GF320 S/N 44401741	Yes - See Comments	One (1) B Well GPU center cabinet kim ray dump controller	None	Not Applicable	Repairs completed 6/29/2018 and verified on 6/29/2018	None	Not Applicable	GF320	Video record file with initial leak record was corrupt	
SWITZ-6	CNX Resources	12/7/2017	10:41 a.m.	11:07 a.m.	Kevin Ice / 3 yrs experience	3 years	36°F - 37°F F, Cloudy/Overcast, 5-8 mph mph	GF320 S/N 44401741	No deviations	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable		
SWITZ-6	CNX Resources	6/25/2018	11:44 a.m.	12:16 p.m.	Kevin Ice (Camera 1) & Jason Harding (Camera #2)	Kevin Ice 3 years Jason Harding 2 years	70°F F, Partly Cloudy, 0-3.6 mph mph	GF320 S/N 44401741	No deviations	One (1) Weighted Pallet tank #5 One (1) Weighted Pallet tank #9 One (1) Weighted Pallet tank #10	None	Not Applicable	Repairs completed 6/25/2018 and verified on 6/25/2018	None	Not Applicable	GF320		
SWITZ-7	CNX Resources	2/27/2018	4:24 p.m.	4:45 p.m.	Kevin Ice / 3 years experience	3 years	62°F F, Sunny/light clouds, 0 - 5.9 mph mph	GF320 S/N 44401741	No deviations	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable		
SWITZ-7	CNX Resources	6/25/2018	3:23 p.m.	3:34 p.m.	Kevin Ice (Camera 1) & Jason Harding (Camera #2)	Kevin Ice 3 years Jason Harding 2 years	74°F F, Overcast, 0-1 mph mph	GF320 S/N 44401741	No deviations	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable		
SWITZ-11	CNX Resources	12/7/2017	9:50 a.m.	10:11 a.m.	Kevin Ice	3 years	36°F - 37°F F, Cloudy/Overcast, 4-7 mph mph	GF320 S/N 44401741	No deviations	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable		
SWITZ-11	CNX Resources	6/25/2018	1:35 p.m.	1:51 p.m.	Kevin Ice (Camera 1) & Jason Harding (Camera #2)	Kevin Ice 3 years Jason Harding 2 years	75°F F, Cloudy, 0-5.2 mph mph	GF320 S/N 44401741	No deviations	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable		
SWITZ-16	CNX Resources	11/1/2017	3:00 PM	3:18 PM	Kevin Ice	3 years	46°F-50°F F, Cloudy/Overcast, 2-4 mph mph	GF320 S/N 44401741	No deviations	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable		
SWITZ-16	CNX Resources	6/25/2018	12:36 p.m.	1:06 p.m.	Kevin Ice (Camera 1) & Jason Harding (Camera #2)	Kevin Ice 3 years Jason Harding 2 years	73°F F, Partly Cloudy, 4 mph mph	GF320 S/N 44401741	No deviations	One (1) Leak at F Well GPU center cabinet kim ray dump controller One (1) Leak at J Well GPU center cabinet kim ray dump controller	None	Not Applicable	Repairs completed 6/29/2018 and verified on 6/29/2018	None	Not Applicable	GF320		
SWITZ-18	CNX Resources	2/27/2018	3:22 p.m.	3:47 p.m.	Kevin Ice	3 years	60 °F F, sunny - few clouds, 5.7 - 11.4 mph mph	GF320 S/N 44401741	No deviations	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable		
SWITZ-18	CNX Resources	6/25/2018	3:44 p.m.	3:58 p.m.	Kevin Ice (Camera 1) & Jason Harding (Camera #2)	Kevin Ice 3 years Jason Harding 2 years	73 °F F, Cloudy, 1.2-3.2 mph mph	GF320 S/N 44401741	No deviations	One (1) Leak at ball valve center kim ray (F well GPU) One (1) Leak at nipple on fuel gas for center kimray (D well GPU)	None	Not Applicable	Repairs completed 6/29/2018 and verified on 6/29/2018	None	Not Applicable	GF320		
SWITZ-26	CNX Resources	12/7/2017	9:03 a.m.	9:22 a.m.	Kevin Ice	3 years	29°F - 30°F F, Clear Skies, 2-5 mph mph	GF320 S/N 44401741	No deviations	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable		
SWITZ-26	CNX Resources	6/25/2018	2:39 p.m.	2:57 p.m.	Kevin Ice (Camera 1) & Jason Harding (Camera #2)	Kevin Ice 3 years Jason Harding 2 years	73°F F, Overcast, 1-3.7 mph mph	GF320 S/N 44401741	No deviations	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable		
SWITZ-28	CNX Resources	3/22/2018	11:30 a.m.	11:49 a.m.	Kevin Ice	3 years	33 °F F, Cloudy, 5-7.6 mph mph	GF320 S/N 44401741	No deviations	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable		
SWITZ-28	CNX Resources	6/25/2018	1:54 p.m.	2:07 p.m.	Kevin Ice (Camera 1) & Jason Harding (Camera #2)	Kevin Ice 3 years Jason Harding 2 years	73 °F F, Cloudy, 0-5.1 mph mph	GF320 S/N 44401741	No deviations	One (1) B well GPU center cabinet kimray	None	Not Applicable	Repairs completed 6/29/2018 and verified on 6/29/2018	None	Not Applicable	GF320		

1. No components at any facility are currently designated as DTM or UTM.

CNX Gas - OH Operations - LDAR Tracking Spreadsheet

Facility Surveyed:	NBL-36	Wind Speed:	5-9 mph	Well Name:		TIL Date:		Well Type	Dry/Wet
Date of Survey:	12/7/2017	Ambient Temp:	36°F - 38°F	NBL-36ACHSU	3412124510	10/18/2015		Utica	Wet
Surveyed by:	Kevin Ice kevinice@consolenenergy.com Mobile # (724) 833-3947	Sky Conditions:	Partly sunny with clouds	NBL-36BHSU	3412124509	10/13/2015		Utica	Wet
		Daily Verification Check:	Distance of 40ft. using 1.5 (laser) Methane MGV_0035.mp4	NBL-36CHSU	3412124508	10/19/2015		Utica	Wet
		Survey Start Time :	3:13 p.m.		Equipment Surveyed:				
		Survey End Time :	3:40 p.m.						
		OGI Camera Specs:	GP32G S/N AAA01741		GPU	Well Head	Tank	Other	
					x	x	x	x	

Were there deviations from the monitoring plan (Yes/No):	No
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[illegible]

# CNX Gas - OH Operations - LDAR Tracking Spreadsheet

Facility Surveyed:	NBL-36	Wind Speed:	0-3 mph	Well Name:	Well API #:	TIL Date:	Well Type	Dry/Wet
Date of Survey:	6/21/2018	Ambient Temp:	73°F	NBL-36ACHSU	3412124510	10/18/2015	Utica	Wet
Surveyed by:	Kevin Ice	Sky Conditions:	Overcast	NBL-36BHSU	3412124509	10/13/2015	Utica	Wet
	kevinice@cnx.com	Daily Verification Check:	Distance of 35 ft. using 1.5 (3m) Methane MOV_0149.mp4	NBL-36CHSU	3412124508	10/19/2015	Utica	Wet
	Mobile # (724) 833-3947							
		Survey Start Time :	4:07 a.m.					
		Survey End Time :	4:31 a.m.					
		OGI Camera Specs:	GF320 S/N 44401741					
				Equipment Surveyed:				
				GPU	Well Head	Tank	Other	
				X	X	X	X	

Were there deviations from the monitoring plan (Yes/No): No

Component Tag # / FLIR Video ID	Description of Component	Comments	First Attempt at Repair	Date Repair Completed	Follow up Demonstration Conducted	Instrument Used for Resurvey/ FLIR Video ID	Delay of Repair Notes	Notes:
MOV_0150.MP4	Tank 1 weighted pallet		6/26/2018	6/26/2018	6/26/2018	GF320/ MOV_0164.mp4		Cleaned mating surfaces of gasket and flange. (ROC - C. Tristano)
MOV_0150.MP4	Tank 2 weighted pallet		6/26/2018	6/26/2018	6/26/2018	GF320/ MOV_0164.mp4		Cleaned mating surfaces of gasket and flange. (ROC - C. Tristano)
MOV_0150.MP4	Tank 3 weighted pallet		6/26/2018	6/26/2018	6/26/2018	GF320/ MOV_0164.mp4		Cleaned mating surfaces of gasket and flange. (ROC - C. Tristano)
MOV_0150.MP4	Tank 4 weighted pallet		6/26/2018	6/26/2018	6/26/2018	GF320/ MOV_0164.mp4		Cleaned mating surfaces of gasket and flange. (ROC - C. Tristano)
MOV_0150.MP4	Tank 5 weighted pallet		6/26/2018	6/26/2018	6/26/2018	GF320/ MOV_0164.mp4		Gasket changed to rubber style. (ROC - C. Tristano)
MOV_0150.MP4	Tank 10 weighted pallet		6/26/2018	6/26/2018	6/26/2018	GF320/ MOV_0164.mp4		Cleaned mating surfaces of gasket and flange. (ROC - C. Tristano)
MOV_0150.MP4	Tank 9 weighted pallet		6/26/2018	6/26/2018	6/26/2018	GF320/ MOV_0164.mp4		Cleaned mating surfaces of gasket and flange. (ROC - C. Tristano)
MOV_0150.MP4	Tank 8 weighted pallet		6/26/2018	6/26/2018	6/26/2018	GF320/ MOV_0164.mp4		Cleaned mating surfaces of gasket and flange. (ROC - C. Tristano)
MOV_0150.MP4	Tank 7 weighted pallet		6/26/2018	6/26/2018	6/26/2018	GF320/ MOV_0164.mp4		Cleaned mating surfaces of gasket and flange. (ROC - C. Tristano)
								**LPS & Healer Treater Removed**

CNX Gas - OH Operations - LDAR Tracking Spreadsheet

Facility Surveyed:	NBL-39	Wind Speed:	3-6 mph	Well Name:	Well API #:	TIL Date:	Well Type	Dry/Wet
Date of Survey:	12/7/2017	Ambient Temp:	32°F - 33°F	NBL-39CHSU	3412124523	2/3/2016	Utica	Wet
Surveyed by:	Kevin Ice/ 3 yrs experience	Sky Conditions:	Cloudy/Overcast	NBL-39DHSU	3412124524	2/2/2016	Utica	Wet
	kevinice@consolenergy.com	Daily Verification Check:	Distance of corr. using 1.5 (pm) Methane MOV_0095.mw4	NBL-39JHSU	3412124518	2/1/2016	Utica	Wet
	Mobile # (724) 833-3947			NBL-39KHSU	3412124517	2/4/2016	Utica	Wet
		Survey Start Time :	5:20 p.m.	Equipment Surveyed:				
		Survey End Time :	5:39 p.m.					
		OGI Camera Specs:	GP320 S/N 44401741	GPU	Well Head	Tank	Other	
				X	X	X	X	
Were there deviations from the monitoring plan (Yes/No):		No						

[illegible]

[illegible]



CNX Gas - OH Operations - LDAR Tracking Spreadsheet

Facility Surveyed:	SWITZ-5	Wind Speed:	0-4 mph	Well Name:	Well API #:	TIL Date:	Well Type	Dry/Wet
Date of Survey:	5/25/2018	Ambient Temp:	75 °F	SWITZ-5BHSU	34111245860000	8/28/2017	Utica	Dry
Surveyed by:	Kevin Ice/3 yrs experience & Jason Harding (Camera #2)/ 2 yrs experience	Sky Conditions:	Cloudy	SWITZ-5DHSU	34111245870000	8/29/2017	Utica	Dry
	kevinice@cnx.com	Daily Verification Check:	Distance of 49 ft. using 1.5 (lpm) Methane MOV_0354.mp4	SWITZ-5HHSU	34111246030000	8/29/2017	Utica	Dry
	Mobile # (724) 833-3947			SWITZ-5JHSU	34111246040000	8/28/2017	Utica	Dry
		Survey Start Time :	2:13 p.m.		Equipment Surveyed:			
		Survey End Time :	2:24 p.m.		GPU	Well Head	Tank	Other
		OGL Camera Specs:	G330 5/N 44401741		X	X	X	X

Were there deviations from the monitoring plan (Yes/No):	No
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[illegible]

Walking Path Denoted By:



CNX Gas - OH Operations - LDAR Tracking Spreadsheet

<b>Facility Surveyed:</b>	<b>SWITZ-6</b>	<b>Wind Speed:</b>	S-8 mph	<b>Well Name:</b>	<b>Well API #:</b>	<b>TIL Date:</b>	<b>Well Type</b>	<b>Dry/Wet</b>
<b>Date of Survey:</b>	12/7/2017	<b>Ambient Temp:</b>	36°F - 37°F	SWITZ-6AHSU	3411124450	12/8/2015	Marcellus	Wet
<b>Surveyed by:</b>	Kevin Ice/ 3 yrs experience kevinice@consolenenergy.com Mobile # (724) 833-3947	<b>Sky Conditions:</b>	Cloudy/Overcast	SWITZ-6BHSU	3411124451	10/18/2016	Utica	Dry
		<b>Daily Verification Check:</b>	Distance of 49ft., using I.S. (pin) Methane MGV, .0695 mol	SWITZ-6DHSU	3411124505	10/13/2016	Utica	Dry
		<b>Survey Start Time :</b>	10:41 a.m.	SWITZ-6HHSU	3411124504	10/19/2016	Utica	Dry
		<b>Survey End Time :</b>	11:07 a.m.	SWITZ-6FHSU	3411124503	10/24/2016	Utica	Dry
		<b>OGI Camera Specs:</b>	GF32G S/N 44RC1741			<b>Equipment Surveyed:</b>		
					<b>GPU</b>	<b>Well Head</b>	<b>Tank</b>	<b>Other</b>
					X	X	X	X

Were there deviations from the monitoring plan (Yes/No):	Yes
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[illegible]

**CNX Gas - OH Operations - LDAR Tracking Spreadsheet**

<b>Facility Surveyed:</b>	<b>SWITZ-6</b>	<b>Wind Speed:</b>	0-3.6 mph	<b>Well Name:</b>	<b>Well API #:</b>	<b>TIL Date:</b>	<b>Well Type</b>	<b>Dry/Wet</b>
<b>Date of Survey:</b>	6/25/2018	<b>Ambient Temp:</b>	70°F	SWITZ-6AHSU	3411124450	12/8/2015	Marcellus	Wet
<b>Surveyed by:</b>	Kevin Ice (Camera 1) & Jason Harding (Camera #2)	<b>Sky Conditions:</b>	Partly Cloudy	SWITZ-6BHSU	3411124451	10/18/2016	Utica	Dry
	kevinice@cnx.com	<b>Daily Verification Check:</b>	Distance at 49ft., using 1.5 ft/mu Methane MGV, 0.54 mvd	SWITZ-6DHSU	3411124505	10/13/2016	Utica	Dry
	Mobile # (724) 833-3947			SWITZ-6HHSU	3411124504	10/19/2016	Utica	Dry
		<b>Survey Start Time :</b>	11:44 a.m.	SWITZ-6FHSU	3411124503	10/24/2016	Utica	Dry
		<b>Survey End Time :</b>	12:16 p.m.				<b>Equipment Surveyed:</b>	
		<b>OGI Camera Specs:</b>	GF32G S/N: 44RC1741				<b>GPU</b>	<b>Other</b>
							X	X

Were there deviations from the monitoring plan (Yes/No):	Yes
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[illegible]

CNX Gas - OH Operations - LDAR Tracking Spreadsheet

<b>Facility Surveyed:</b>	<b>SWITZ-7</b>	<b>Wind Speed:</b>	0-5.9 mph	<b>Well Name:</b>	<b>Well API #:</b>	<b>TIL Date:</b>	<b>Well Type</b>	<b>Dry/Wet</b>
<b>Date of Survey:</b>	2/27/2018	<b>Ambient Temp:</b>	62°F	SWITZ-7BHSU	34111247450000	2/20/2018	Utica	Dry
<b>Surveyed by:</b>	Kevin Ice/ 3 years experience kevinice@cnx.com Mobile # (724) 833-3947	<b>Sky Conditions:</b>	Sunny/light clouds	SWITZ-7DHSU	34111247460000	2/20/2018	Utica	Dry
		<b>Daily Verification Check:</b>	Distance of 45 ft. using 1.5 (in) Methane MGV_0114.mpg4	SWITZ-7FHSU	34111247470000	2/20/2018	Utica	Dry
		<b>Survey Start Time :</b>	4:24 p.m.					
		<b>Survey End Time :</b>	4:45 p.m.					
		<b>OGI Camera Specs:</b>	GF920 S/N 44401741					
							<b>Equipment Surveyed:</b>	
							GPU	Well Head
							X	X
								Tank
								X
								Other
								X

Were there deviations from the monitoring plan (Yes/No):	No
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[illegible]

CNX Gas - OH Operations - LDAR Tracking Spreadsheet

<b>Facility Surveyed:</b>	<b>SWITZ-7</b>	<b>Wind Speed:</b>	0 - 1 mph	<b>Well Name:</b>	<b>Well API #:</b>	<b>TIL Date:</b>	<b>Well Type</b>	<b>Dry/Wet</b>
<b>Date of Survey:</b>	6/25/2018	<b>Ambient Temp:</b>	74°F	SWITZ-7BHSU	34111247450000	2/20/2018	Utica	Dry
<b>Surveyed by:</b>	Kevin Ice (Camera 1) & Jason Harding (Camera #2) kevinice@cnx.com Mobile # (724) 833-3947	<b>Sky Conditions:</b>	Overcast	SWITZ-7DHSU	34111247460000	2/20/2018	Utica	Dry
		<b>Daily Verification Check:</b>	Distance of 49 ft. using 1.5 (1am) Methane M20V_0134.mpg4	SWITZ-7FHSU	34111247470000	2/20/2018	Utica	Dry
		<b>Survey Start Time :</b>	3:23 p.m.					
		<b>Survey End Time :</b>	3:34 p.m.					
		<b>OGI Camera Specs:</b>	GF920 S/N 44401741					
							<b>Equipment Surveyed:</b>	
							GPU	Well Head
							X	X
								Tank
							X	X
								Other

Were there deviations from the monitoring plan (Yes/No):	No
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[illegible]

CNX Gas - OH Operations - LDAR Tracking Spreadsheet

<b>Facility Surveyed:</b>	SWITZ-11	<b>Wind Speed:</b>	4-7 mph	<b>Well Name:</b>	Well API #:	TIL Date:	Well Type	Dry/Wet
<b>Date of Survey:</b>	12/7/2017	<b>Ambient Temp:</b>	36°F - 37°F	SWITZ-11JHSU	34111246860000	12/2/2017	Utica	Dry
<b>Surveyed by:</b>	Kevin Ice kevinice@consolenergy.com Mobile # (724) 833-3947	<b>Sky Conditions:</b>	Cloudy/Overcast	SWITZ-11LHSU	34111246870000	12/1/2017	Utica	Dry
		<b>Daily Verification Check:</b>	Distance of 40ft. using 1.5 (ft.) Methane MCV_0095.mg4	SWITZ-11NHSU	34111246850000	12/1/2017	Utica	Dry
				SWITZ-11PHSU	34111246840000	12/1/2017	Utica	Dry
		<b>Survey Start Time :</b>	9:50 a.m.					
		<b>Survey End Time :</b>	10:11 a.m.					
		<b>OGI Camera Specs:</b>	GF920 S/N 44401741					
							<b>Equipment Surveyed:</b>	
							GPU	Well Head
							x	x
								Tank
								x
								Other
								x

Were there deviations from the monitoring plan (Yes/No):	No
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[illegible]

CNX Gas - OH Operations - LDAR Tracking Spreadsheet

Facility Surveyed:	SWITZ-11	Wind Speed:	0-5.2 mph	Well Name:	Well API #:	TIL Date:	Well Type	Dry/Wet
Date of Survey:	6/25/2018	Ambient Temp:	75°F	SWITZ-11JHSU	34111246860000	12/2/2017	Utica	Dry
Surveyed by:	Kevin Ice (Camera 1) & Jason Harding (Camera #2)	Sky Conditions:	Cloudy	SWITZ-11LHSU	34111246870000	12/1/2017	Utica	Dry
	kevinice@cnx.com	Daily Verification Check:	Distance of 49 ft. using 1.5 (jam) Methane MDV_0134.mg4	SWITZ-11NHSU	34111246850000	12/1/2017	Utica	Dry
	Mobile # (724) 833-3947			SWITZ-11PHSU	34111246840000	12/1/2017	Utica	Dry
		Survey Start Time :	1:55 p.m.	Equipment Surveyed:				
		Survey End Time :	3:51 p.m.					
		OGI Camera Specs:	GF920 S/N 44401741					
				GPU	Well Head	Tank	Other	
				x	x	x	x	

Were there deviations from the monitoring plan (Yes/No):	No
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[illegible]

CNX Gas - OH Operations - LDAR Tracking Spreadsheet

Facility Surveyed:	SWITZ-16	Wind Speed:	4 mph	Well Name:	Well API #:	TIL Date:	Well Type	Dry/Wet
Date of Survey:	6/25/2018	Ambient Temp:	73°F	SWITZ-16BHSU	34111245680000	7/3/2017	Utica	Dry
Surveyed by:	Kevin Ice (Camera 1) & Jason Harding (Camera #2)	Sky Conditions:	Partly Cloudy	SWITZ-16DHSU	34111245660000	7/2/2017	Utica	Dry
	kevinice@cnx.com	Daily Verification Check:	Distance of 49 ft. using 1.5 lb(m) Methane MCV, 0154.mp4	SWITZ-16FHSU	34111245670000	7/2/2017	Utica	Dry
	Mobile # (724) 833-3947			SWITZ-16HHSU	34111245690000	7/2/2017	Utica	Dry
				SWITZ-16JHSU	34111245650000	7/8/2017	Utica	Dry
		Survey Start Time :	12:36 p.m.	Equipment Surveyed:				
		Survey End Time :	1:06 p.m.	GPU	Well Head	Tank	Other	
		OGI Camera Specs:	GF320 S/N 44401741	x	x	x	x	

Were there deviations from the monitoring plan (Yes/No):	No
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[illegible]



CNX Gas - OH Operations - LDAR Tracking Spreadsheet

Facility Surveyed:	SWITZ-18	Wind Speed:	1.2-3.2 mph	Well Name:	Well API #:	Til Date:	Well Type	Dry/Wet
Date of Survey:	6/25/2018	Ambient Temp:	73 °F	SWITZ-18BHSU	34111247630000	2/15/2018	Utica	Dry
Surveyed by:	Kevin Ice (Camera 1) & Jason Harding (Camera #2)	Sky Conditions:	Cloudy	SWITZ-18DHSU	34111247640000	2/15/2018	Utica	Dry
	kevinice@cnx.com	Daily Verification Check:	Distance of 49 ft. using 1.5 (cm) Methane MCV_0154.mpg4	SWITZ-18FHSU	34111247620000	2/15/2018	Utica	Dry
	Mobile # (724) 833-3947							
		Survey Start Time :	3:44 p.m.					
		Survey End Time :	3:58 p.m.					
		OGI Camera Specs:	GF320 S/N 44402741					
		Equipment Surveyed:						
				GPU	Well Head	Tank	Other	
				X	X	X	X	
Were there deviations from the monitoring plan (Yes/No):		No						

Component Tag # / FLIR Video ID	Description of Component	Comments	First Attempt at Repair	Date Repair Completed	Follow up Demonstration Conducted	Instrument Used for Resurvey/ FLIR Video ID	Delay of Repair Notes	Notes:
MOV_92963.mp4	F well GPU - leak at ball valve center kimray	Camera #2	6/29/2018	6/29/2018	6/29/2018	GF320 /MOV_0183.mp4 Camera #2		Thread sealant added and tightened. CNX - J. Zachweija
MOV_92964.mp4	D well GPU - leak at nipple on fuel gas for center kimray	Camera #2	6/29/2018	6/29/2018	6/29/2018	GF320 /MOV_0182.mp4 Camera #1		Thread sealant added and tightened. CNX - J. Zachweija

CNX Gas - OH Operations - LDAR Tracking Spreadsheet

Facility Surveyed:	SWITZ-26	Wind Speed:	1-3.7 mph	Well Name:	Well API #:	TIL Date:	Well Type	Dry/Wet
Date of Survey:	6/25/2018	Ambient Temp:	73°F	SWITZ-26AHSU	34111247210000	11/19/2017	Utica	Dry
Surveyed by:	Kevin Ice (Camera 1) & Jason Harding (Camera #2)	Sky Conditions:	Overcast	SWITZ-26BHSU	34111247200000	11/20/2017	Utica	Dry
	kevinice@cnx.com	Daily Verification Check:	Distance of 49 ft. using 1.5 (jam) Methane M20V_0134.mg4	SWITZ-26CHSU	34111247190000	11/17/2017	Utica	Dry
	Mobile # (724) 833-3947			SWITZ-26DHSU	34111247180000	11/20/2017	Utica	Dry
		Survey Start Time :	2:59 p.m.	Equipment Surveyed:				
		Survey End Time :	2:57 p.m.	GPU	Well Head	Tank	Other	
		OGI Camera Specs:	GF920 S/N 44401741	x	x	x	x	

Were there deviations from the monitoring plan (Yes/No):	No
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[illegible]

CNX Gas - OH Operations - LDAR Tracking Spreadsheet

<b>Facility Surveyed:</b>	<b>SWITZ-28</b>	<b>Wind Speed:</b>	0-5.1 mph	<b>Well Name:</b>	<b>Well API #:</b>	<b>TIL Date:</b>	<b>Well Type</b>	<b>Dry/Wet</b>
<b>Date of Survey:</b>	6/25/2018	<b>Ambient Temp:</b>	73 °F	SWITZ-28BHSU	34111246740000	2/26/2018	Utica	Dry
	<b>Kevin Ice (Camera 1) &amp; Jason Harding (Camera #2)</b>	<b>Sky Conditions:</b>	Cloudy	SWITZ-28DHSU	34111246750000	2/26/2018	Utica	Dry
<b>Surveyed by:</b>	kevinice@cnx.com	<b>Daily Verification Check:</b>	Distance of 49 ft. using 1.5 (in) Methane M20V_0134.mpg4	SWITZ-28FHSU	34111246720000	2/27/2018	Utica	Dry
	Mobile # (724) 833-3947			SWITZ-28HHSU	34111246730000	2/26/2018	Utica	Dry
		<b>Survey Start Time :</b>	3:54 p.m.					
		<b>Survey End Time :</b>	2:07 p.m.					
		<b>OGI Camera Specs:</b>	GF920 S/N 44401741					
							<b>Equipment Surveyed:</b>	
							GPU	Well Head
							x	x
								Tank
								x
								Other
								x

Were there deviations from the monitoring plan (Yes/No):	No
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[illegible]

## ATTACHMENT - PNEUMATIC PUMP AFFECTED FACILITIES

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## Pnuematic Controller Affected Facilities

§60.5420(b)(4) and §60.5420a(b)(4)

Controller ID Number	Facility Name	State	Location	Make	Model	Month-Year Constructed	Month-Year Replaced

## ATTACHMENT - PNEUMATIC CONTROLLER AFFECTED FACILITIES

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## Pneumatic Pump Affected Facilities

60.5420a(b)(8)

Facility	Equipment Name	Method of Compliance	Professional Engineer Certification Attached?
None			

## ATTACHMENT - DEVIATIONS

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<p style="text-align: center;"><b>Deviations</b></p> <p style="text-align: center;">§60.5420(b)(2-4)(ii); (5-6)(iii) and §60.5420a(b)(2-4)(ii); (5-6)(iii)</p>
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<p style="text-align: center;"><b>Deviations</b></p> <p style="text-align: center;">§60.5420(b)(2-4)(ii); (5-6)(iii) and §60.5420a(b)(2-4)(ii); (5-6)(iii)</p>
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[illegible]

1. LDAR deviations noted on the LDAR Summary Table.